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NOTE**

**SAM SITE STATUS
CEASE-FIRE ZONE, EGYPT**

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SAM SITE STATUS
CEASE-FIRE ZONE, EGYPT

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1. This report provides the occupancy status during the period [redacted] of the 94 SA-2 and the five SA-3 surface-to-air missile (SAM) sites that are located within the 50-kilometer* zone west of the Suez Canal. The criterion for determining occupancy was the identification, within the site, of missile equipment, dummy missile equipment, or objects which could not be identified as non-missile-related equipment. Thus, the designation of a site as occupied does not constitute a judgment that the site is operational.

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3. Three SA-2 SAM sites were newly identified [redacted] (one confirmed, one possible, and one suspect), bringing the total number of sites in the cease-fire zone in Egypt to 99. [redacted] of [redacted] provided coverage of all 99 identified SAM sites. Fifty SA-2 SAM sites and all five SA-3 sites were occupied, while 30 SA-2 sites were unoccupied and occupancy of 14 could not be determined. One previously known SA-2 site was newly occupied (Figures 1 and 2). The occupancy of SAM sites is summarized below:

Table 1. Summary of SAM Site Occupancy

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Status	[redacted]			
Occupied SA-2 Sites	28	51	50	50
Occupied SA-3 Sites	0	5	5	5
Total Occupied	28	56	55	55
Unoccupied SA-2 Sites	46	38	34q	30**
Unoccupied SA-3 Sites	5	0	0	0
Total Unoccupied	51	38	34	30**
SA-2 Sites occupancy unknown	0	0	6	14
SA-2 Sites not covered	0	0	1	0
Total	79	94	96	99

4. Detailed occupancy status and order of battle for SAM sites in the cease-fire zone of Egypt are given in Table 2, which is keyed to Figure 3. The column heading "NUMBER" indicates the arbitrary number assigned to the site by NPIC when the site was first identified. The following abbreviations appear in the table: OCC for occupied, UNP for unoccupied, and UKN for unknown. A blank space indicates that the site was not covered by photography of that particular date.

*Based upon information from the Department of State delineating the 50-kilometer cease-fire zone. The eastern boundary of this zone is the center of the navigation channel through the Suez Canal and the Great Bitter Lake.

**Includes the three that were newly identified on [redacted]

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5. All three of the newly identified SA-2 sites are in areas where construction activity had been observed previously, and all three have reached the stage of construction where they could be at least tentatively identified as SA-2 sites.

6. The newly identified confirmed SA-2 SAM Site (number 330) was observed approximately 14 nautical miles (nm) northwest of the city of Suez, at 30-06-20N 032-19-40E. On 18 August, the site had two drive-through launch positions, one possible launch position, a bunkered guidance area, and a possible bunkered acquisition radar position. On [redacted] construction activity was observed in the area of the launch positions. An unidentified area of construction activity immediately east of the site had been seen previously on [redacted]. Construction activity in the guidance area of this site was evident on [redacted]. The guidance area and the possible acquisition radar position were bunkered on [redacted].

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7. The newly identified possible SA-2 SAM site (number 331) was observed approximately 16 nm northwest of Suez, at 30-09-50N 032-17-40E. On [redacted] the site consisted of a bunkered guidance area with a revetted radar position on top, a bunkered acquisition radar position, and three scraped areas. Earlier construction had been seen at this site. On [redacted] unidentified activity was evident in the area. [redacted] heavy bomb damage was noted in the guidance area, and an excavation for a possible acquisition radar position was observed. [redacted] a structure was under construction in the possible acquisition radar position, and new access roads were evident.

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8. The newly identified suspect SA-2 SAM site (number 332) was observed under construction 19 nm northwest of Suez, at 30-08-20N 032-14-50E. On 18 August, the site consisted of a probable guidance area, a possible bunkered acquisition radar position, and several areas of unidentified earth scraping. Four unidentified objects or possible pieces of construction equipment were observed in the area. On earlier photography, unidentified activity was noted in the area on [redacted] heavy bomb damage was observed at the probable guidance area under construction. On [redacted] the probable guidance area and the possible acquisition radar position were evident.

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9. Construction activity for a possible guidance area was observed in the area of a former T-shaped structure 9.0 nm west of the Suez Canal and 11.2 nm northwest of Ismailia, at 30-43-50N 032-08-00E. The T-shaped structure was covered and earth mounded, and a large rectangular revetment was constructed at the base of this mound. Two bunkers, possibly drive-through, had been constructed in two areas adjoining the possible guidance area, one to the east and the other to the west.

10. Previous observations of this area were as follows: on [redacted] heavy bomb damage and cratering were evident in the area of the T-shaped structure. On [redacted] bomb damage and cratering had been cleaned up, and the T-shaped structure was covered but not mounded. The bunkers were not discernible. On [redacted] the T-shaped structure was still not mounded. The two bunkers (one under construction) were discernible. Vehicles and equipment observed included one cargo truck, one probable utility vehicle, and six unidentified objects.

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11. The previously unoccupied SA-2 Site 318 was occupied on [redacted]. A probable SA-2 missile on a launcher was in each of the five launch positions of the site, at least ten probable missile transporters were dispersed north-northwest of the site, and a probable FAN SONG radar and at least three probable vans were present in the guidance area. The site consists of five revetted drive-through launch positions, a revetted guidance area, a bunkered acquisition radar position, and at least eight widely dispersed equipment-hold revetments. A linear and a T-shaped excavation are located immediately west of the site. The site was not occupied and the transporters were not present when the site was observed on [redacted]. Two revetments adjacent to the acquisition radar position and the eight hold revetments were not present on [redacted].

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12. The equipment comprising the possible field-deployed SA-3 site observed on [redacted] adjacent to As Suways SA-3 Site 117 was no longer present. However, Site 117 remained occupied.

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Table 2. Occupancy of SAM Sites Within The Cease-Fire Zone, Egypt

SAM FACILITY	NUMBER	COORDINATES							ORDER OF BATTLE
			UNP	UNK	UNP	UNP	UNP	UNP	
EUR SAID A13-2	1	311352N 0321923E	UNP	UNK	UNP	UNP	UNP	UNP	
* BUR SAID A31-2	2	311640N 0321526E	UNP	UNP	UNP	UNP	UNP	UNP	
BUR SAID A30-2	3	311650N 0321430E	UNP	UNP	UNP	UNP	UNP	UNP	
AL ISMAILIYAH B19-2	15	302320N 0321530E	OCC		OCC	OCC	OCC	OCC	6 launch positions with poss missiles, 3 poss missile transporters with prime movers, and 6 unid vans in guidance area
AL ISMAILIYAH B20-2	16	302300N 0321130E	UNP		UNP	UNP	UNP	UNP	
AL ISMAILIYAH B01-2	17	304620N 0321805E	OCC	OCC	OCC	UNK	OCC	OCC	3 occ launch positions (2 with poss missiles and 1 with launcher only), 1 launch position with unid object, and guidance area with 1 van truck
AL ISMAILIYAH A19-2	18	302800N 0321400E	UNP		UNP	UNP	UNP	UNP	
AL ISMAILIYAH B36-2	19	304655N 0321350E	UNP	UNP	UNP	UNP	UNP	UNP	
AL ISMAILIYAH B22-2	21	302620N 0321010E	OCC	UNP	OCC	OCC	OCC	OCC	3 launch positions with 3 unid objects & 3 launch positions unip; guidance area occ with unid object
* AL ISMAILIYAH A28-2	22	303702N 0320408E	OCC		OCC	OCC	OCC	OCC	6 occ launch positions (4 with poss missiles and 2 with prob covered objects)
AL ISMAILIYAH A29-2	23	303755N 0320525E	UNP		UNP	UNP	UNP	UNP	
AL ISMAILIYAH B19A-2	28	302240N 0321400E	OCC		OCC	OCC	OCC	OCC	5 poss launchers with missiles, 1 poss radar, & 4 unid vehicles
* AS SUWAYS A33-2	32	300305N 0323000E	UNP	OCC	OCC	OCC	OCC	OCC	6 launch positions occ with unid objects, guidance area occ with unid objects
* AS SUWAYS B22-2	34	294320N 0322045E	UNP		OCC		OCC	OCC	1 launch position occ with at least 1 unid object, guidance area unip
AS SUWAYS C21-2	35	294020N 0321920E	UNP		OCC		UNK	OCC	1 launch position occ with unid object
AS SUWAYS A34-2	38	300020N 0323150E	UNP	UNP	UNP	UNP	UNP	UNP	
AS SUWAYS B33-2	40	301213N 0322225E	UNP		UNP	UNP	UNP	UNP	
AS SUWAYS B33A-2	41	301130N 0322300E	UNP		UNP	UNP	UNP	UNP	
AS SUWAYS B35-2	42	301140N 0322810E	UNP		UNP		UNP	UNP	
AS SUWAYS B32-2	43	300558N 0322456E	UNP	UNP	OCC	OCC	OCC	OCC	5 launchers with prob missiles and 1 launch position unip, occ of guidance area unk
AS SUWAYS B32A-2	44	300845N 0322300E	UNP	UNK	UNP	UNP	UNP	UNP	

*Dummy equipment observed at or near site.

Table 2. (Continued)

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SAM FACILITY	NUMBER	COORDINATES							ORDER OF BATTLE
			UNP	UKN	UNP	UNP	UNP	UNP	
AL ISMAILIYAH C29-2	57	304005N 0314935E	UNP	UKN	UNP	UNP	UNP	UNP	
AL ISMAILIYAH A25-2	104	303250N 0320830E	UNP		OCC	OCC	OCC	OCC	6 launch positions and guidance area occ with unid objects
AS SUWAYS B32B-2	107	300825N 0322030E	UNP		OCC	OCC	OCC	OCC	6 launch positions occ with unid objects, bunkered guidance area occ with unid object
AL ISMAILIYAH BA-2	116	303850N 0315700E	UNP		OCC	UKN	OCC	OCC	3 launch positions occ with unid objects, guidance area appeared occ
AS SUWAYS C30-2	121	300950N 0320655E	UNP		OCC	OCC	OCC	OCC	6 launch positions occ with unid objects, occ of guidance area unkn
*AL ISMAILIYAH C24-2	123	302415N 0315515E	OCC		OCC	UKN	OCC	OCC	4 launch positions and guidance area occ with unid objects
AL ISMAILIYAH C25-2	124	302630N 0315401E	OCC		OCC		OCC	OCC	3 launch positions occ with unid objects, occ of guidance area unkn
*AL ISMAILIYAH C24B-2	125	301915N 0315235E	OCC		UNP	UNP	UNP	UKN	
AL ISMAILIYAH B29-2	128	303902N 0320100E	UNP		OCC	OCC	OCC	OCC	6 occ launch positions (3 with unid objects) and occ guidance area
*AL ISMAILIYAH C24A-2	129	302350N 0315235E	OCC		UNP		UNP	UKN	
*AL ISMAILIYAH C23-2	130	301305N 0315400E	OCC		OCC		OCC	OCC	4 poss missiles on launchers, guidance area appeared occ
AL ISMAILIYAH B27-2	132	303455N 0315800E	UNP		OCC	UKN	OCC	OCC	4 launch positions and guidance area occ with unid objects
AL ISMAILIYAH B26-2	135	303035N 0315730E	OCC		OCC	UKN	N/C	OCC	all 6 launch positions and guidance area occ with unid objects
AL ISMAILIYAH C23A-2	137	301530N 0315540E	OCC		OCC		OCC	OCC	6 launch positions and guidance area occupied with unid objects
AS SUWAYS B30-2	159	300740N 0321547E	UNP		OCC	UKN	OCC	OCC	6 positions occ with unid objects, occ guidance area, unid objects observed near site
AL ISMAILIYAH C28-2	169	303630N 0314530E	OCC		OCC	UKN	OCC	UKN	

* Dummy equipment observed at or near site.

Table 2. (Continued)

SAM FACILITY	NUMBER	COORDINATES							ORDER OF BATTLE
			UNP		UNP	UNP	UNP	UNP	
AL ISMAILIYAH B33-2	170	304925N 0320300E	UNP		UNP	UNP	UNP	UNP	
AL ISMAILIYAH C25A-2	186	302435N 0315030E	OCC		UNP	UKN	UKN	UKN	
AL ISMAILIYAH C24C-2	187	302315N 0315630E	OCC		UNP	UNP	UNP	UNP	
AL ISMAILIYAH C25C-2	188	302635N 0314720E	OCC		UNP	UKN	UNP	UKN	
AL ISMAILIYAH C25E-2	189	302620N 0314810E	UNP		OCC	UKN	OCC	OCC	4 launch positions and guidance area occ with unid objects
AL ISMAILIYAH C25D-2	190	302535N 0314657E	OCC		OCC		OCC	UKN	
AL ISMAILIYAH C26D-2	191	302820N 0314940E	UNP		OCC		UNP	UKN	
AL ISMAILIYAH C26-2	192	302847N 0314815E	OCC		UNP	UKN	OCC	UKN	
AL ISMAILIYAH C26A-2	193	302955N 0314640E	OCC		OCC	UKN	OCC	OCC	1 launch position and guidance area each occ with unid object
AL ISMAILIYAH C26C-2	195	302945N 0315055E	UNP		UNP	UKN	UNP	UKN	
AL ISMAILIYAH B26A-2	196	302925N 0315455E	OCC		UNP		OCC	OCC	4 launch positions occ with unid objects, occ of guidance area ukn
AL ISMAILIYAH C21-2	198	302830N 0320410E	OCC	UKN	UNP	UNP	UNP	UNP	4 launch positions occ with unid objects, occ of guidance area ukn
AL ISMAILIYAH B24A-2	199	302915N 0320420E	UNP		OCC	UKN	OCC	OCC	
EGYPT SA-2 SITE 200	200	303710N 0320820E	OCC		OCC	OCC	OCC	OCC	6 launch positions and guidance area occ with unid objects
AL ISMAILIYAH C23B-2	216	301430N 0315050E	OCC		UNP		UKN	UKN	
AL ISMAILIYAH C23C-2	217	301830N 0315240E	UNP		UNP	UKN	UNP	UNP	
AL ISMAILIYAH C23E-2	218	302040N 0315650E	UNP		OCC	OCC	OCC	OCC	6 launch positions and guidance area occ with unid objects
AL ISMAILIYAH B24B-2	219	302720N 0320320E	OCC	UKN	OCC	OCC	OCC	OCC	4 launch positions occ with unid objects, guidance area appeared to be occ
AL ISMAILIYAH B23-2	220	302030N 0320145E	UNP		OCC	OCC	OCC	OCC	4 launch positions occ with unid objects, guidance area appeared occ
AL ISMAILIYAH C23D-2	233	301315N 0315440E	UNP		UNP		UNP	UKN	
AL ISMAILIYAH C22C-2	235	301105N 0315830E	OCC		OCC	UKN	OCC	OCC	4 launch positions are occ with unid objects

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Table 2. (Continued)

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SAM FACILITY	NUMBER	COORDINATES						ORDER OF BATTLE	
			UNP		OCC	UKN	OCC	OCC	
AL ISMAILIYAH C22B-2	236	301650N 0315810E	UNP		OCC	UKN	OCC	OCC	6 poss missiles on launchers, poss radar in guidance area
AL ISMAILIYAH C22D-2	237	301550N 0320020E	OCC		OCC	UKN	OCC	OCC	6 launch positions possibly occ with unid objects, guidance area probably occ
AL ISMAILIYAH C22E-2	238	301725N 0320215E	UNP		OCC	UKN	OCC	OCC	6 launch positions and guidance area occ with unid objects
AS SUWAYS C29-2	242	300415N 0320105E	UNP		UNP	UKN	UNP	UNP	
AS SUWAYS C27-2	244	300730N 0320015E	UNP		UNP	UNP	UNP	UNP	
AL ISMAILIYAH C21C-2	245	301115N 0320410E	UNP		OCC	UKN	OCC	OCC	6 launch positions and guidance area occ with unid objects
AL ISMAILIYAH C20-2	246	301235N 0320915E	UNP		OCC	OCC	OCC	OCC	5 launch positions probably occ with missiles on launchers; guidance area occ
AS SUWAYS C31-2	248	301025N 0321320E	UNP	UKN	OCC	OCC	OCC	OCC	4 launch positions and guidance area occ with unid objects
AL ISMAILIYAH B18-2	249	301540N 0321725E	UNP		OCC		OCC	OCC	6 prob missiles on launchers; guidance area occ
AS SUWAYS B32C-2	250	301120N 0321705E	UNP	UKN	UNP	UNP	UNP	UNP	
AL ISMAILIYAH C27A-2	263	303400N 0315110E	UNP		OCC	OCC	OCC	OCC	3 launch positions and guidance area occ with unid objects
AL ISMAILIYAH B28-2	264	303630N 0315635E	UNP		UNP	UNP	UNP	UNP	
EGYPT SA-2 SITE 269	269	302740N 0320000E	UNP	UKN	OCC		OCC	OCC	6 launch positions and guidance area occ with unid objects
AL ISMAILIYAH C25F-2	277	302425N 0315145E	OCC		UNP	UKN	UKN	UKN	
AL ISMAILIYAH C25G-2	278	302525N 0315305E	OCC		UNP		OCC	OCC	3 launch positions occ with unid objects
EGYPT SA-2 SITE 289	289	302330N 0320045E	UNP	UKN	OCC	OCC	OCC	OCC	6 launch positions and guidance area occ with unid objects
EGYPT SA-2 SITE 306	306	302520N 0320030E		UKN	UNP	UNP	UNP	UNP	
EGYPT SA-2 SITE 307	307	302640N 0320800E		UKN	UNP	UNP	UNP	UNP	
EGYPT SA-2 SITE 308	308	302825N 0320740E		UKN	OCC	OCC	OCC	OCC	6 launch positions and guidance area occ with unid objects

Table 2. (Continued)

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SAM FACILITY	NUMBER	COORDINATES					ORDER OF BATTLE		
EGYPT SA-2 SITE 309	309	302230N 0315820E			UNP	UNP	UNP	UNP	unid objects in each of the launch positions and guidance area
EGYPT SA-2 SITE 310	310	302840N 0320410E			OCC	OCC	OCC	OCC	
EGYPT SA-2 SITE 311	311	302450N 0315750E			OCC		OCC	UKN	
EGYPT SA-2 SITE 312	312	301500N 0320740E			OCC	OCC	OCC	OCC	
EGYPT SA-2 SITE 313	313	302200N 0320720E			OCC	OCC	OCC	OCC	6 prob missiles on launchers, 5 prob missile transporters, guidance area occ with unid object
EGYPT SA-2 SITE 314	314	302130N 0320620E			OCC	OCC	OCC	OCC	6 prob missiles on launchers, 2 poss canvas-covered transporters with prime movers, numerous vehicles or pieces of equipment
EGYPT SA-2 SITE 315	315	302030N 0320150E			OCC	OCC	OCC	OCC	6 launch positions occ with unid objects, guidance area probably occ
EGYPT SA-2 SITE 316	316	301530N 0320345E			OCC	OCC	OCC	OCC	6 launch positions occ with unid objects, guidance area probably occ
EGYPT SA-2 SITE 318	318	303000N 0320925E			OCC	OCC	UNP	UNP	6 prob missiles on launchers, 3 missile transporters with prime movers
EGYPT SA-2 SITE 319	319	302400N 0320450E			OCC	OCC	OCC	OCC	5 positions occ with unid equipment, guidance area occ with unid equipment
EGYPT SA-2 SITE 321	321	302420N 0315740E			OCC	OCC	OCC	OCC	6 launch positions and guidance area occ with unid objects
EGYPT SA-2 SITE 322	322	301610N 0321630E			UNP	UNP	UKN	UKN	6 launch positions and guidance area occ with unid objects
EGYPT SA-2 SITE 323	323	303730N 0320430E			UNP		UNP	OCC	site area was occ with what appeared to be construction equipment, which was also present on [redacted]
EGYPT SA-2 SITE 324	324	303440N 0320010E			--	--	UNP	UNP	
EGYPT SA-2 SITE 330	330	300620N 0321940E			--	--	UNP	UNP	
EGYPT SA-2 (POSS) SITE 331	331	300950N 0321740E						UNP	
EGYPT SA-2 (SUSP) SITE 332	332	300920N 0321450E						UNP	
AL ISMAILIYAH B27-3	114	303430N 0320340E	UNP		OCC	OCC	OCC	OCC	4 launch positions and guidance area occ with unid objects
AL ISMAILIYAH B29-3	115	303840N 0320330E	UNP		OCC	OCC	OCC	OCC	4 launch positions and guidance area probably occ
AS SUWAYS PROB SA-3	117	301340N 0321455E	UNP		OCC	OCC	OCC	OCC	4 launch positions occ with unid objects
AL ISMAILIYAH B28-3	127	303535N 0315925E	UNP		OCC	OCC	OCC	OCC	4 launch positions are occ with unid objects, guidance area occ with unid object
AL ISMAILIYAH C20-3	247	301200N 0321110E	UNP		OCC	OCC	OCC	OCC	4 launch positions occ with unid objects, occ of guidance area cannot be determined

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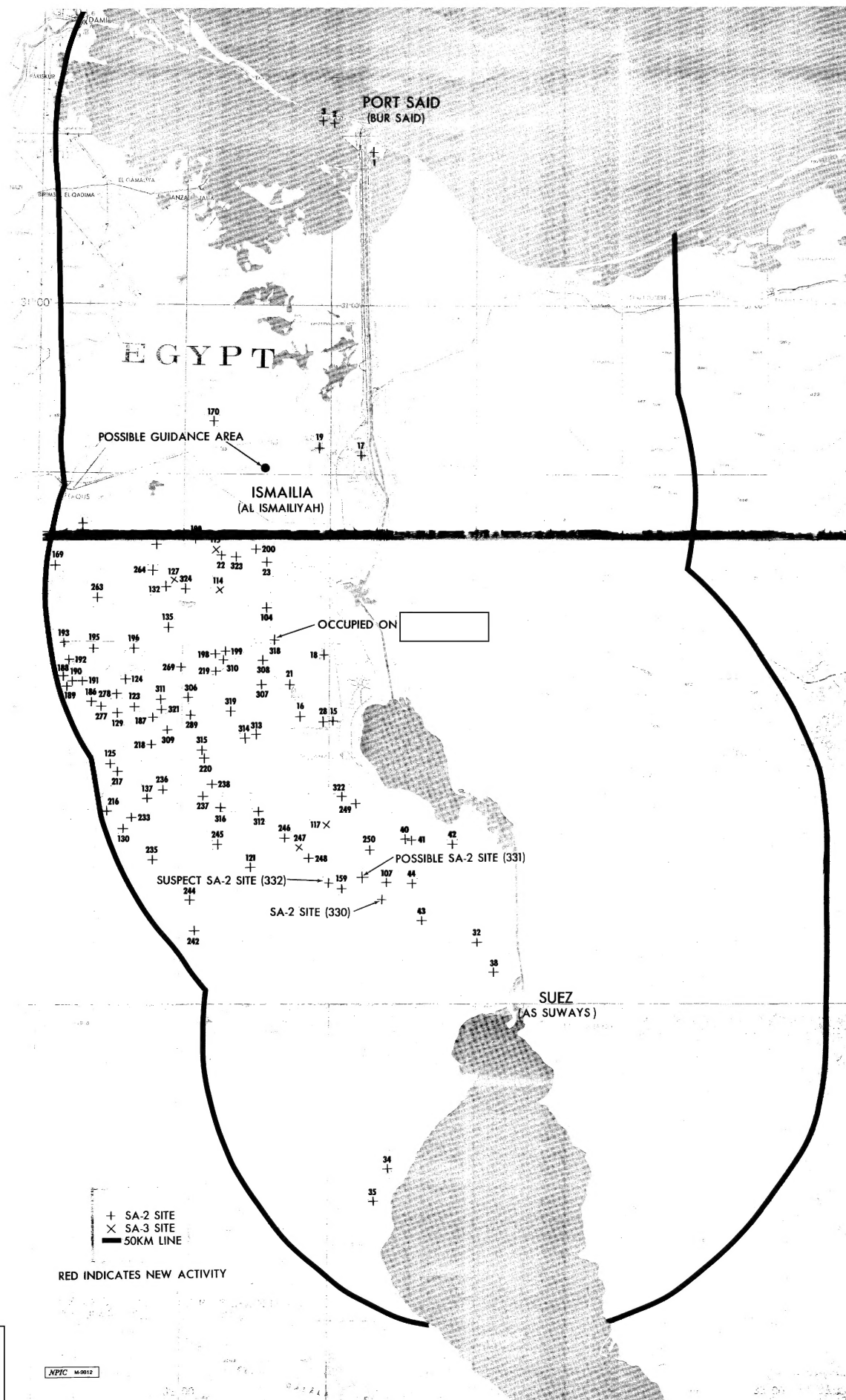


Figure 3. SAM Deployment Within the Cease-Fire Zone, Egypt

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